1631 16C/ ♯9

1600

RAW SEQUENCE LISTING   DATE: 11/12/2001
PATENT APPLICATION: US/09/486,623A   TIME: 14:48:52

Input Set : A:\ISPA3292.ST25.txt
Output Set: N:\CRF3\11122001\I486623A.raw

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ENTERED

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 3 <110> APPLICANT: Nielsen, Peter E.
 4         Good, Liam
 6 <120> TITLE OF INVENTION: Peptide Nucleic Acids Having Antibacterial Activity
 8 <130> FILE REFERENCE: ISPA3292
10 <140> CURRENT APPLICATION NUMBER: 09/486,623A
11 <141> CURRENT FILING DATE: 2000-07-06
13 <150> PRIOR APPLICATION NUMBER: PCT/US98/19199
14 <151> PRIOR FILING DATE: 1998-09-16
16 <150> PRIOR APPLICATION NUMBER: 08/932,140
17 <151> PRIOR FILING DATE: 1997-09-16
19 <160> NUMBER OF SEQ ID NOS: 27
21 <170> SOFTWARE: PatentIn version 3.1
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24 <211> LENGTH: 14
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: Novel Sequence
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36 <211> LENGTH: 17
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
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47 <210> SEQ ID NO: 3
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49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Novel Sequence
55 <400> SEQUENCE: 3
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59 <210> SEQ ID NO: 4
60 <211> LENGTH: 17
61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Novel Sequence
67 <400> SEQUENCE: 4
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71 <210> SEQ ID NO: 5
72 <211> LENGTH: 15
73 <212> TYPE: DNA
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76  <220> FEATURE:
77  <223> OTHER INFORMATION: Novel Sequence
79  <220> FEATURE:
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81  <222> LOCATION: (1)..(14)
82  <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
83        backbone
86  <220> FEATURE:
87  <221> NAME/KEY: misc_feature
88  <222> LOCATION: (15)..(15)
89  <223> OTHER INFORMATION: Modified site. N-[ acetyl (2-aminoethyl)]-C-lysine-
90        glycine backbone
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97  <210> SEQ ID NO: 6
98  <211> LENGTH: 15
99  <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Novel Sequence
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (1)..(14)
108 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
109        backbone
112 <220> FEATURE:
113 <221> NAME/KEY: misc_feature
114 <222> LOCATION: (15)..(15)
115 <223> OTHER INFORMATION: Modified site. N-[ acetyl (2-aminoethyl)]-C-lysine-
116        glycine backbone
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128 <220> FEATURE:
129 <223> OTHER INFORMATION: Novel Sequence
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (1)..(14)
134 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
135        backbone
138 <220> FEATURE:
139 <221> NAME/KEY: misc_feature
140 <222> LOCATION: (15)..(15)
141 <223> OTHER INFORMATION: Modified site. N- [acetyl (2-aminoethyl)]-C-lysine-
142        glycine backbone
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RAW SEQUENCE LISTING   DATE: 11/12/2001
PATENT APPLICATION: US/09/486,623A   TIME: 14:48:52

Input Set : A:\ISPA3292.ST25.txt
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146 gaatactcat actct                                              15
149 <210> SEQ ID NO: 8
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154 <220> FEATURE:
155 <223> OTHER INFORMATION: Novel Sequence
157 <220> FEATURE:
158 <221> NAME/KEY: misc_feature
159 <222> LOCATION: (1)..(14)
160 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
161       backbone
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <222> LOCATION: (15)..(15)
167 <223> OTHER INFORMATION: Modified site. N-[acetyl (2-aminoetyl)]-C-lysine-glysine
168       backbone
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175 <210> SEQ ID NO: 9
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181 <223> OTHER INFORMATION: Novel Sequence
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (1)..(1)
186 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine backbone
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190 <221> NAME/KEY: misc_feature
191 <222> LOCATION: (2)..(4)
192 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
glycine
193       backbone
196 <220> FEATURE:
197 <221> NAME/KEY: misc_feature
198 <222> LOCATION: (5)..(6)
199 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine backbone
202 <220> FEATURE:
203 <221> NAME/KEY: misc_feature
204 <222> LOCATION: (7)..(7)
205 <223> OTHER INFORMATION: Modified site. N-pseudo iscoytosine-acetyl (2-aminoethyl)
glycine
206       backbone
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (8)..(8)
212 <223> OTHER INFORMATION: Modified site.
213       (O-2-aminoethyl-O'-acetyl-ethyleneglycol), (O-2-aminoethyl-O'-ace
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RAW SEQUENCE LISTING   DATE: 11/12/2001
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Input Set : A:\ISPA3292.ST25.txt
Output Set: N:\CRF3\11122001\I486623A.raw

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214      tyl-ethyleneglycol), (O-2-aminoethyl-O'acetyl-ethyleneglycol)
217 <220> FEATURE:
218 <221> NAME/KEY: misc_feature
219 <222> LOCATION: (9)..(14)
220 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine backbone
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <222> LOCATION: (15)..(15)
226 <223> OTHER INFORMATION: Modified site. N-[acetyl (2-aminoethyl)]-C-lysine-glycine
backbon
227      e
230 <400> SEQUENCE: 9
231 tnnhttnnct tccct                                        15
234 <210> SEQ ID NO: 10
235 <211> LENGTH: 15
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Novel Sequence
242 <220> FEATURE:
243 <221> NAME/KEY: misc_feature
244 <222> LOCATION: (1)..(1)
245 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
246      gliycine backbone
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <222> LOCATION: (2)..(4)
252 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
253      backbone
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <222> LOCATION: (5)..(6)
259 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
260      glycine backbone
263 <220> FEATURE:
264 <221> NAME/KEY: misc_feature
265 <222> LOCATION: (7)..(7)
266 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
267      backbone
270 <220> FEATURE:
271 <221> NAME/KEY: misc_feature
272 <222> LOCATION: (8)..(8)
273 <223> OTHER INFORMATION: Modified site.
274      (O-2-aminoethyl-O'-acetyl-ethyleneglycol),(O-2-aminoethyl-O'acety
275      l-ethyleneglycol), (O-2-aminoethyl-O'acetyl-ethyleneglycol)
278 <220> FEATURE:
279 <221> NAME/KEY: misc_feature
280 <222> LOCATION: (9)..(14)
281 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
282      backbone
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              RAW SEQUENCE LISTING              DATE: 11/12/2001
              PATENT APPLICATION:  US/09/486,623A      TIME: 14:48:52

              Input Set : A:\ISPA3292.ST25.txt
              Output Set: N:\CRF3\11122001\I486623A.raw

   285 <400> SEQUENCE: 10
-> 286 ntttnntntc ctttc                                              15
   289 <210> SEQ ID NO: 11
   290 <211> LENGTH: 15
   291 <212> TYPE: DNA
   292 <213> ORGANISM: Artificial Sequence
   294 <220> FEATURE:
   295 <223> OTHER INFORMATION: Novel Sequence
   297 <220> FEATURE:
   298 <221> NAME/KEY: misc_feature
   299 <222> LOCATION: (1)..(14)
   300 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
   301       backbone
   304 <220> FEATURE:
   305 <221> NAME/KEY: misc_feature
   306 <222> LOCATION: (15)..(15)
   307 <223> OTHER INFORMATION: Modified site. N-[acetyl (2-aminoethyl)] -C-lysine-
   308       glycine backbone
   311 <400> SEQUENCE: 11
   312 catactcttt ctcct                                              15
   315 <210> SEQ ID NO: 12
   316 <211> LENGTH: 25
   317 <212> TYPE: DNA
   318 <213> ORGANISM: Artificial Sequence
   320 <220> FEATURE:
   321 <223> OTHER INFORMATION: Novel Sequence
   323 <220> FEATURE:
   324 <221> NAME/KEY: misc_feature
   325 <222> LOCATION: (1)..(2)
   326 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
   327       backbone
   330 <220> FEATURE:
   331 <221> NAME/KEY: misc_feature
   332 <222> LOCATION: (3)..(3)
   333 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
   334       glycine backbone
   337 <220> FEATURE:
   338 <221> NAME/KEY: misc_feature
   339 <222> LOCATION: (4)..(4)
   340 <223> OTHER INFORMATION: Modified site. N-acetyl (2-aminoethyl) glycine
   341       backbone
   344 <220> FEATURE:
   345 <221> NAME/KEY: misc_feature
   346 <222> LOCATION: (5)..(7)
   347 <223> OTHER INFORMATION: Modified site. N-pseudo isocytosine-acetyl (2-aminoethyl)
   348       glycine backbone
   351 <220> FEATURE:
   352 <221> NAME/KEY: misc_feature
   353 <222> LOCATION: (8)..(10)
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Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY   DATE: 11/12/2001
PATENT APPLICATION: US/09/486,623A   TIME: 14:48:53

Input Set : A:\ISPA3292.ST25.txt
Output Set: N:\CRF3\11122001\I486623A.raw

```
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
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